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# NiceZyme View of ENZYME: EC 1.5.1.5

<b>Official Name</b>	
Methylenetetrahydrofolate dehydrogenase (NADP+).	
<b>Alternative Name(s)</b>	
None.	
<b>Reaction catalysed</b>	
$  \begin{array}{l}  \text{5,10-methylenetetrahydrofolate} \\  + \text{NADP (+)} \\  \hline  \text{<=>} \\  \text{5,10-methenyltetrahydrofolate} \\  + \text{NADPH}  \end{array}  $	
<b>Human Genetic Disease(s)</b>	
Methyltetrahydrofolate cyclohydrolase deficiency	MIM:172460
<b>Cross-references</b>	
Biochemical Pathways; map number(s)	<a href="#">B7</a>
PROSITE	<a href="#">PDOC00616</a>
BRENDA	<a href="#">1.5.1.5</a>
EMP/PUMA	<a href="#">1.5.1.5</a>
WIT	<a href="#">1.5.1.5</a>
Kyoto University LIGAND chemical database	<a href="#">1.5.1.5</a>
IUBMB Enzyme Nomenclature	<a href="#">1.5.1.5</a>
IntEnz	<a href="#">1.5.1.5</a>
MEDLINE	Find literature relating to <a href="#">1.5.1.5</a>
Swiss-Prot	<a href="#">O96553</a> , <a href="#">C1TC_DROME</a> ; <a href="#">P11586</a> , <a href="#">C1TC_HUMAN</a> ; <a href="#">Q922D8</a> , <a href="#">C1TC_MOUSE</a> ; <a href="#">P27653</a> , <a href="#">C1TC_RAT</a> ; <a href="#">Q27772</a> , <a href="#">C1TC_SPOFR</a> ; <a href="#">P07245</a> , <a href="#">C1TC YEAST</a> ; <a href="#">P09440</a> , <a href="#">C1TM YEAST</a> ; <a href="#">P54382</a> , <a href="#">FOLD_BACSU</a> ; <a href="#">P57557</a> , <a href="#">FOLD_BUCAI</a> ; <a href="#">Q8K979</a> , <a href="#">FOLD_BUCAP</a> ; <a href="#">Q89A92</a> , <a href="#">FOLD_BUCBP</a> ; <a href="#">Q9PKW1</a> , <a href="#">FOLD_CHLMU</a> ; <a href="#">Q9Z8K3</a> , <a href="#">FOLD_CHLPN</a> ; <a href="#">Q84081</a> , <a href="#">FOLD_CHLTR</a> ; <a href="#">P24186</a> , <a href="#">FOLD_ECOLI</a> ; <a href="#">P44313</a> , <a href="#">FOLD_HAEIN</a> ; <a href="#">Q9ZLQ4</a> , <a href="#">FOLD_HELPJ</a> ; <a href="#">P56467</a> , <a href="#">FOLD_HELPY</a> ; <a href="#">P47259</a> , <a href="#">FOLD_MYCGE</a> ; <a href="#">P75096</a> , <a href="#">FOLD_MYCPN</a> ; <a href="#">P51696</a> , <a href="#">FOLD_PHOP0</a> ; <a href="#">Q9ZD32</a> , <a href="#">FOLD_RICPR</a> ; <a href="#">Q60006</a> , <a href="#">FOLD_SALTI</a> ; <a href="#">P58688</a> , <a href="#">FOLD_SALTY</a> ; <a href="#">P96050</a> , <a href="#">FOLD_STRTR</a> ; <a href="#">Q05213</a> , <a href="#">FOLD_THEAC</a> ; <a href="#">P55818</a> , <a href="#">MTDA_METEX</a> ;

[View entry in original ENZYME format](#)

All Swiss-Prot entries referenced in this entry, with possibility to download in different formats, align etc.

All ENZYME/Swiss-Prot entries corresponding to 1.5.1.- 

All ENZYME/Swiss-Prot entries corresponding to 1.5.-

All ENZYME/Swiss-Prot entries corresponding to 1.-

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